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(54) Title: ANTIBODY FOR THE THYROTROPIN RECEPTOR AND USES THEREOF

(57) Abstract: A binding partner for the TSH receptor, which binding partner comprises, or is derived from, a human monoclonal or recombinant antibody, or one or more fragments thereof, reactive with the TSH receptor, uses thereof, methods of diagnosis and therapy employing the same, and anti-idiotypic antibodies thereto.

# INTERNATIONAL SEARCH REPORT

Application No

/GB 03/05171

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7	C07K16/28	C12N15/85	C12N5/10	C07K16/00	G01N33/564
	G01N33/577				

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K A61K G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 91/09137 A (RAPOPORT) 27 June 1991 (1991-06-27) the whole document -----	1-9
A	US 5 840 853 A (SEGRE G.V. ET AL.) 24 November 1998 (1998-11-24) the whole document -----	1-90
A	CHAZENBALK GREGORIO D ET AL: "Thyroid-stimulating autoantibodies in Graves disease preferentially recognize the free A subunit, not the thyrotropin holoreceptor" JOURNAL OF CLINICAL INVESTIGATION, vol. 110, no. 2, July 2002 (2002-07), pages 209-217, XP002294125 ISSN: 0021-9738 the whole document ----- -/-	1-90

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

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## INTERNATIONAL SEARCH REPORT

International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CUNDIFF JASON G ET AL: "Studies using recombinant fragments of human TSH receptor reveal apparent diversity in the binding specificities of antibodies that block TSH binding to its receptor or stimulate thyroid hormone production" JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM, vol. 86, no. 9, September 2001 (2001-09), pages 4254-4260, XP002294126 ISSN: 0021-972X the whole document -----	1-90
P, X	WO 03/018632 A (RSR LIMITED) 6 March 2003 (2003-03-06) page 113 - page 143 -----	1-90

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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Patent document cited in search report	Publication date		Patent family member(s)	Publication date
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